

- 7 -

Claim

1. Refrigeration apparatus, situated in an environment at temperature T_e , comprising:
 - 5 . a first compartment at a temperature T_1 , the first compartment being accessible through at least an opening, and
 - 10 . a second compartment at a temperature T_2 , T_1 being colder than T_2 , T_1 and T_2 being colder than T_e , the second compartment being located inside the first compartment,
 - 15 . a refrigeration circuit in the first compartment adapted to keep temperature T_1 within a range R_1 through a sequence of energisation and de-energisation phases triggered by comparing temperature T_1 with a first reference temperature T_{1r} ,
 - . heating means in the second compartment adapted to keep temperature T_2 within a range R_2 .
- 20 2. Refrigeration apparatus according to claim 1, wherein the refrigeration circuit comprises an evaporator, the evaporator being connected to a compressor located outside the first compartment.
- 25 3. Refrigeration apparatus according to claim 2 wherein the second compartment does not contain an evaporator.
4. Refrigeration apparatus according to claim 1 wherein the heating means are triggered by comparing the actual
30 temperature T_2 with a second reference temperature T_{2r} .

- 8 -

5. Refrigeration apparatus according to claim 4 wherein the reference temperatures T_{1r} and T_{2r} are set by means of control means.
- 5 6. Refrigeration apparatus according to claim 5 wherein T_{1r} is comprised between -16 to -23°C and wherein T_{2r} is comprised between -15°C and $+5^{\circ}\text{C}$.
7. Process for providing a refrigeration apparatus according to
10 any preceding claim wherein a freezer;
 - 15 . comprising a storing volume adapted to receive products to be stored at a temperature below 0°C , an evaporator within said storing volume and a compressor located outside said storing volume,
 - . is fitted with a storing box, adapted to receive products to be stored at a temperature above the temperature in the storing volume, located within the storing volume, said box being fitted with heating means.